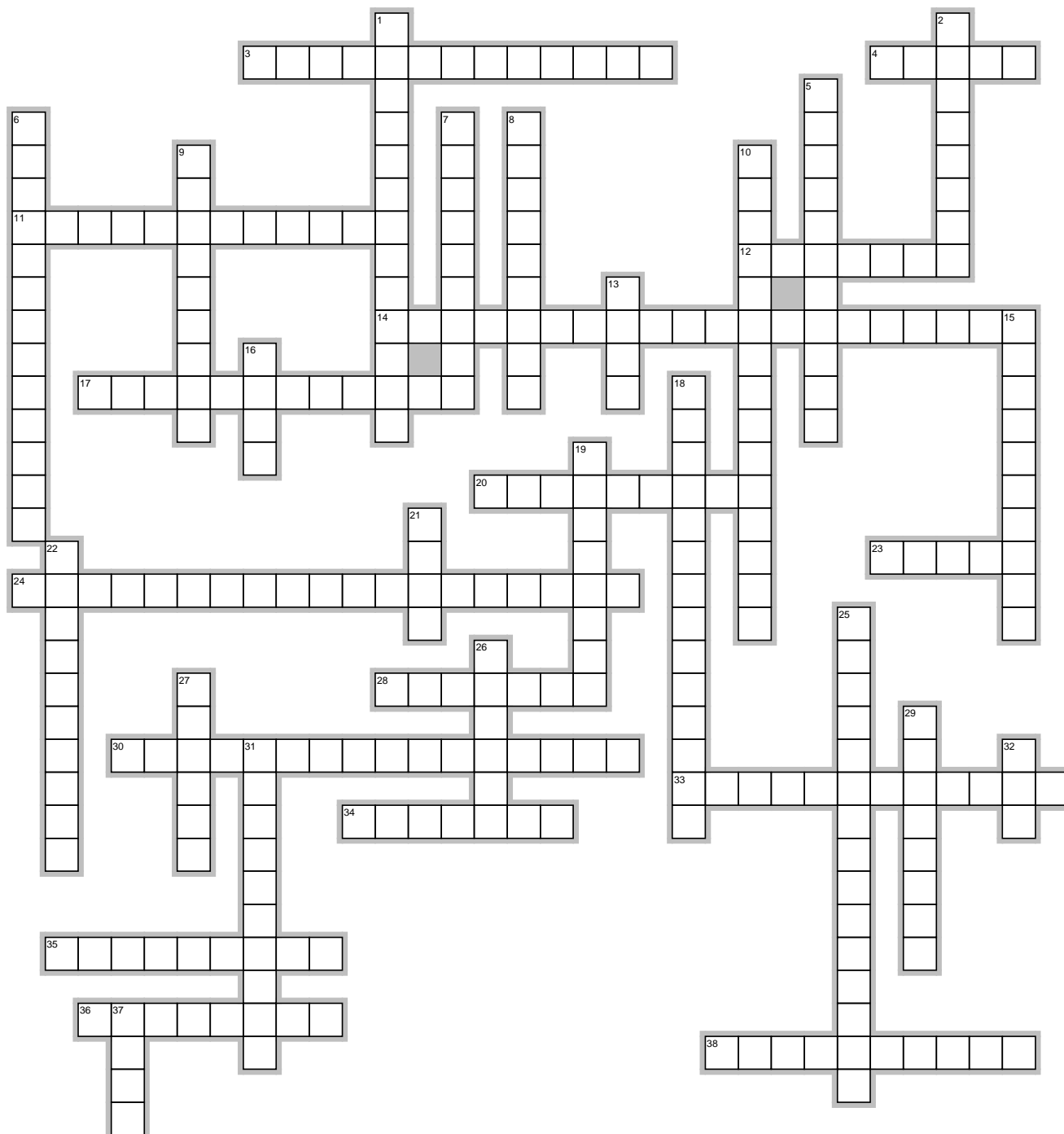


# Aerospace Dimensions Module 3

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EclipseCrossword.com

## Across

3. When the Sun's direct rays strike the equator resulting in equal day and night; usually March 21st or 22nd (two words)
4. A boundary between two air masses
11. A cloud that produces storms with thunder and lightning
12. Huge body of air with the same temperature and moisture characteristics (two words)
14. Winds between 30 and 60 degrees latitude that move toward the poles (two words)
17. Cumulonimbus cloud possessing thunder and lightning; usually strong winds, rain and sometimes hail
20. This instrument is used to measure air pressure
23. Boiling point of water in Fahrenheit scale, written in Roman numerals
24. The weight or push on the Earth's surface by the air (two words)
28. Normally white, billowy, puffy clouds
30. Amount of water vapor in the air compared to its water vapor capacity at a given temperature (two words)

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## Across

warmer air

33. Process of converting water vapor to liquid
34. Whirling funnel of air of very low pressure and very strong winds
35. Method by which the sun heats the Earth
36. These type of fronts involve three different air masses.
38. Also known as a downdraft or downburst; very dangerous to flying

## Down

1. This is the name of the scale that measures hurricanes (two last names)
2. The effect that deflects winds to the right of the intended path in the Northern Hemisphere
5. A measure of molecular motion expressed on a manmade scale
6. General term given to the various types of condensed water vapor that fall to Earth's surface.
7. A strong wind that develops at 30,000 to 35,000 feet and moves as a winding road (two words)
8. Tropical cyclone of low pressure and very strong winds
9. Winds blowing toward the side of the plane
10. These are formed when the atmosphere over the poles cool.
13. A body of air in motion
15. A parcel of air holding as much water vapor as it can
16. Total energy of all molecules within a substance
18. The shortest day, usually 21st or 22nd of December (two words)
19. This is where converging trades meet, so there are no steady surface winds
21. This type of front occurs when warm air moves into an area of colder air and they collide
22. This type of front occurs when warm and cold air bump against each other but there is no air movement
25. When the Sun's direct rays strike the equator resulting in day and night of equal length, usually on September 22nd or 23rd. (two words)
26. He created a scale that explains the categories of wind speed and expected damage (last name)
27. This temperature scale is equal to Celcius temperature + 273 degrees.
29. A scale for estimating wind speed
31. Air movements toward the equator
32. A cloud that touches the ground
37. This type of front occurs when the air moving into an area is colder than the already present